GOVERNMENT OF INDIA
WATER RESOURCES, RIVER DEVELOPMENT AND GANAGA REJUVENATION
LOK SABHA

STARRED QUESTION NO:412
ANSWERED ON:15.12.2016
River water/Basin Management
Mondal Shri Sunil Kumar;Patil Shri Vijaysinh Mohite

Will the Minister of WATER RESOURCES, RIVER DEVELOPMENT AND GANAGA REJUVENATION be pleased to state:

(a) the details of ongoing and proposed schemes/projects for River Water/Basin Management including the development/ rejuvenation/cleaning and upgradation of water level as well as optimal utilization of water of different rivers along with the funds allocated/released/utilized for the said purpose during the last three years and the current year, scheme-wise;
(b) whether the Government is aware that the pollution level in various rivers is increasing day by day and the water level is falling continuously and if so, the river-wise details of pollution level as well as water level during the said period along with the steps taken/to be taken in this direction;
(c) whether the Government has received any requests/projects from States for the purpose and if so, the State/UT - wise details thereof and the action taken thereon; and
(d) the concrete measures taken/to be taken by the Government to improve the situation by indicating the specific efforts made to ensure proper river water/basin management?
ANSWER

Answer

(a) to (d) A statement is laid on the Table of the House.
STATEMENT REFERRED TO IN REPLY TO PARTS (a) to (d) OF STARRED QUESTION NO. *412 TO BE ANSWERED ON 15.12.2016 REGARDING RIVER WATER/BASIN MANAGEMENT
(a) The works related to water resources development & management are planned, funded, executed and maintained by the State Governments themselves as per their own resources and priorities. In order to supplement the efforts of the State Governments, Government of India provides technical and financial assistance to State Governments to encourage sustainable development and efficient management of water resources through various schemes and programmes such as Accelerated Irrigation Benefits Programme (AIBP), scheme for Repair, Renovation and Restoration (RRR) of water bodies etc.
The Central Government under Accelerated Irrigation Benefits Programme (AIBP) provides Central Assistance (CA) to State Governments to accelerate the implementation of the projects which are beyond resource capability of the States or are in advanced stage of completion. A total of 149 projects were ongoing under AIBP at the beginning of XII Plan. A Committee under the Chairmanship of Minister (WR, RD & GR), Government of Chhattisgarh prioritised 99 projects out of these ongoing projects under AIBP for completion in phases upto December, 2019, in consultation with States. Funding arrangements for these projects through NABARD has been made. The funds allocated/released for the projects under AIBP during the last three years and the current year are as per Annexure-I & II respectively.
The Government of India had launched Flood Management Programme (FMP) for providing central assistance to States for works related to river management, anti-erosion, restoration of damaged flood management works, anti-sea erosion etc. Under this programme, a total of 522 projects were approved in XI and XII Plan and a central assistance of Rs 4873.07 Crore has been released till date out of which an amount of Rs. 1307.07 crore was released in XII Plan. The State-wise details of projects approved, projects completed under Flood Management Programme (FMP) so far are given at Annexure- III.
Details of projects undertaken for cleaning Ganga by National Ganga River Basin Authority upto 30th September, 2016 are enclosed at Annexure-IV.
(b) & (c) The Central Pollution Control Board (CPCB) in association with State Pollution Control Boards and Pollution Control Committees is assessing the water quality of Rivers at 1275 locations in the country under National Water Quality Monitoring Programme. The network covers 445 Rivers. The long term assessment of water quality of Rivers revealed that there are 302 polluted river stretches on 275 Rivers which is listed at Annexure-V.
Contd..p/2
//2//
(d) A Memorandum of Understanding (MoU) was signed between Government of India and Government of Australia on 10th November, 2009 to enhance co-operation in the field of water resources development and management, wherein it was decided to carry out a study to prepare Integrated Water Resources Management(IWRM) Plan of Brahmani-Baitarani basin in collaboration with Australian experts. The study for preparation of IWRM plan of Brahmani part was carried out by the officials from Commonwealth Scientific and Industrial Research Organization (CSIRO), Australia. Similar exercise for Baitarani part was taken up by Basin Planning and Management Organization (BPMO) of Central Water Commission, Government of India. The study was completed in August 2016. Under National Hydrology Project-III, three basins namely, 1) Godavari Basin, 2)Krishna Basin and 3) Mahanadi Basin are included for IWRM study.
Further, the Government has taken various steps to check the pollution. Details are given in Annexure-VI.
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Annexure-I
Annexure referred to in reply to part (a) of Starred Question No. *412 due for answer in Lok Sabha on 15.12.2016 regarding River Water/Basin Management.
Central Assistance Released under AIBP/PMKSY during 2013-14, 2014-15 & 2015-16
Sl. No

State/Project Name
Maj./
Med./ ERM
Year of Inclusion in AIBP
DPA / TA
Basin/ River
CA Released During
(Amount in Rs. Crore)
Cumulative CLA/Grant released upto 31.3.2016
2013-14
2014-15
2015-16
ANDHRA PRADESH
1
Yerrakalva Res.
Med.
2000-01
DPA
Yemakaha / Godavari
0.00
0.00
0.00
28.46
2
Tadipudi LIS
Maj.
2006-07
DPA
Godavari
0.00
0.00
0.00
48.22
3
Pushkara LIS
Maj.
2006-07
DPA
Godavari
0.00
0.00
0.00
47.08
4
Gundlakdamma
Maj.
2005-06
DPA
Gundlakamma
0.00
0.00
0.00
99.35
5
Thotapally Barrage
Maj.
2005-06
DPA/ TA
Nagavali
0.00
0.00
0.00
99.73
6
Tarakarama thirtha Sagaram
Med.
2005-06
DPA
Champavathi
0.00
0.00

0.00
33.01
7
Musurumilli
Med.
2007-08
DPA
Godavari
0.00
0.00
0.00
85.74
8
Indira Sagar (Polavaram)
Maj.
2008-09
DPA/ TA
Godavari
0.00
0.00
0.00
562.47
TOTAL
0.00
0.00
0.00
1004.07
ASSAM
9
Dhansiri
Maj.
1996-97
TA
Brahmaputra / Dhansiri
0.00
31.15
49.85
226.60
10
Champamati
Maj.
1996-97
TA
Brahmaputra / Champamati
0.00
58.07
58.07
182.39
11
Borolia
Med.
1996-97
TA
Brahmaputra / Pagladia
0.00
0.00
0.00
29.80
12
Burhi Dihing lift
Med.
1997-98
TA
Brahmaputra / Burhi
0.00
0.00
0.00
4.22
TOTAL
0.00
89.22

107.92
443.01
BIHAR
13
Western Kosi
Maj.
1996-97
Ganga / Kosi
0.00
0.00
0.00
252.10
14
Durgawati
Maj.
1996-97
DPA
Ganga
0.00
0.00
38.75
103.84
Bansagar
Maj.
1997-98
DPA
Ganga / Sone
0.00
0.00
0.00
83.50
15
Batane
Med.
2000-01
DPA
Ganga
0.00
0.00
0.00
3.34
16
Punpun
Maj.
2007-08
DPA
Ganga/
Punpun
0.00
0.00
2.76
46.65
TOTAL
0.00
0.00
41.51
489.42
CHHATISGARH
17
Kelo Project
Maj.
2008-09
Mahanadi / Kelo
13.61
0.00
0.00
40.66
18
Kharung
Maj / ERM
2010-11

Kharung /Hasdeo / Mahanadi
2.60
0.00
0.00
10.48
19
Sutiapat
Med.
2010-11
DPA/ TA
Karra nadi /Seonath / Mahanadi
0.00
0.00
0.00
18.47
20
Maniyari Tank (ERM)
Maj / ERM
2011-12
DPA-44.78%
Maniyari /Shivnath / Mahanadi
21.33
0.00
0.00
43.58
TOTAL
37.54
0.00
0.00
113.18
GOA
21
Tillari
Maj.
2000-01
West flowing / Tillari
0.00
0.00
0.00
255.42
TOTAL
0.00
0.00
0.00
255.42
GUJARAT
22
Sardar Sarovar
Maj.
1996-97
DPA-24.54%
narmada / Sukhi
607.57
1033.94
128.00
8792.23
TOTAL
607.57
1033.94
128.00
8792.23
HIMACHAL PRADESH
23
Shahnehar Irr. Project
Maj.
1997-98
Indus / Beas
0.00
0.00
0.00
203.86

24
Sidhata
Med.
2000-01
Indus
0.00
0.00
0.00
62.58
25
Balh Vally (Left Bank)
Med.
2009-10
Beas / Sukheti Khad
0.00
0.00
0.00
55.22
TOTAL
0.00
0.00
0.00
321.66
JAMMU & KASHMIR
26
Mod. of Ranbir Canal*
Maj / ERM
1999-2000
Indus / Chenab
0.00
0.00
0.00
109.45
27
Mod. of New Pratap Canal*
Maj / ERM
1999-2000
Indus / Chenab
0.00
0.00
0.00
33.10
28
Rajpora Lift
Med.
2000-01
Indus / Jhelam
0.00
0.00
0.00
53.08
29
Tral Lift
Med.
2000-01
Indus / Jhelam
0.00
14.21
19.28
97.01
30
Mod. Of Dadi Canal
Med / ERM
2006-07
Indus
0.00
0.00
0.00
34.50
31
Mod. Kandi Canal

Med/ ERM
2007-08
DPA/ TA
Kagunegad nalla (Kahara)
0.00
0.00
0.00
16.20
32
Prakachik Khows Canal
Med.
2007-08
Suru
7.20
0.00
7.02
31.65
33
Mod. Of Ahji Canal
Med / ERM
2008-09
Indus / Sukhnagh Nallah
0.00
0.00
0.00
12.09
34
Restoration & Mod. Of Main Ravi Canal
Maj / ERM
2011-12
Ravi
6.65
0.00
8.01
36.28
TOTAL
13.85
14.21
34.31
423.37
JHARKHAND
35
Gumani
Med.
1997-98
TA
Ganga
0.00
0.00
0.00
31.40
36
Sonua
Med.
1997-98
TA
Subernarekha
0.00
0.00
0.00
19.25
37
Surangi
Med.
1997-98
TA
Subernarekha
0.00
0.00
0.00
13.28

38
Upper Sankh
Med.
2004-05
TA
Brahmani
0.00
0.00
0.00
26.35
39
Panchkhero
Med.
2004-05
Ganga
0.00
0.00
0.00
8.24
40
Subernarekha Multipurpose
Maj
2011-12
TA
Subernarekha
0.00
0.00
281.62
1132.88
TOTAL
0.00
0.00
281.62
1231.41
KARNATAKA
41
Upper Krishna St.I
Maj.
1996-97
DPA
Krishna / Krishna
0.00
0.00
0.00
1380.66
42
Malaprabha
Maj.
1996-97
DPA
Malaprabha / Krishna
0.00
0.00
0.00
471.94
43
Karanja
Maj.
1997-98
DPA
Manjeera / Godavari
0.00
0.00
0.00
189.03
44
Upper Krishna St.II
Maj.
2001-02
DPA
Krishna / Krishna

0.00
0.00
0.00
1521.31
45
Varahi
Maj.
2007-08
West Flowing Rivers
19.51
0.00
0.00
99.64
46
Dudhganga
Maj.
2008-09
DPA
DUDHGANGA / Krishna
0.00
0.00
0.00
7.51
47
Mod. Canal System of Bhadra Reservoir Canal System (ERM)
Maj / ERM
2008-09
DPA-4.8%
Bhadra / Krishna
0.00
0.00
0.00
196.47
48
Hipparagi LIS
Maj.
2008-09
DPA- 93%
Krishna
16.93
0.00
0.00
751.89
49
Restoration Bhimasamundra Tank
Med / ERM
2009-10
DPA
,â€¦...
0.00
0.00
0.00
3.48
50
Bhima LIS
Maj.
2009-10
DPA
Krishna
141.57
0.00
0.00
298.17
51
Guddada Malapura Lift
Med
2009-10
DPA
Varada/
*Krishna
22.11

0.00
0.00
79.35
52
Upper Tunga Irrigation Project
0.00
70.00
156.24
226.24
53
Sti Rameswar Irrigation
0.00
10.82
51.92
62.74
54
NLBc System Project(New ERM)
0.00
70.00
0.00
70.00
TOTAL
200.12
150.82
208.16
5358.42
KERALA
55
Muvattupuzha
Maj.
2000-01
Thodupuzha / Muvattupuzha
0.00
0.00
0.00
154.97
56
Karapuzha
Med.
2006-07
Kabani / Panamaram
0.00
0.00
0.00
2.72
57
Kanhirapuzha
Med / ERM
2008-09
Bharathapuzha / Kanhirapuzha
0.00
0.00
0.00
5.07
58
Chitturpuzha
Maj / ERM
2010-11
Bharathapuzha / Aliyar / Chitturpuzha
0.00
0.00
0.00
5.85
TOTAL
0.00
0.00
0.00
168.61
MADHYA PRADESH
59
Indira Sagar Unit II (Ph I & II)

Maj.
1996-97
DPA- 78%
17.99
0.00
36.58
1054.62
Indira Sagar Canal Ph. III
Maj.
2007-08
DPA
Narmada
121.90
0.00
24.38
354.44
Indira Sagar Unit IV
Maj.
2008-09
DPA
Narmada
0.00
0.00
0.00
89.48
Indira Sagar Unit V
Maj.
2014-15
Narmada
0.00
47.19
0.00
47.19
Bansagar Unit-II
Maj
2003-04
DPA - 22%
Ganga / Sone
33.42
0.00
0.00
483.70
60
Sindh Phase II
Maj.
1998-99
Ganga
39.29
0.00
52.12
605.04
61
Mahi
Maj.
2000-01
DPA/ TA-94%
Mahi
0.00
0.00
0.00
371.12
62
Bariarpur LBC
Maj.
2000-01
Ganga / Kan
1.18
0.00
0.00
111.25
63

Bawanthadi
Maj.
2003-04
Godavari / Bawanthadi
0.00
0.00
0.00
94.93
64
Mahan
Maj.
2003-04
Ganga / Mahan
0.00
0.00
0.00
139.13
65
Omkareshwar Ph - I
Maj.
2003-04
Narmada
0.00
0.00
0.00
164.28
Omkareshwar, Ph.-II
Maj.
2007-08
DPA-93%
Narmada
12.07
0.00
0.00
123.92
Omkareshwar, Ph.-III
Maj.
2007-08
DPA
Narmada
15.00
0.00
0.00
144.88
Omkareshwar, Ph.-IV
Maj.
2014-15
Narmada
0.00
48.82
63.11
111.93
66
Bargi Diversion Ph - I
Maj.
2001-02
Narmada
0.00
0.00
0.00
140.65
Bargi Diversion Ph -I I
Maj.
2002-03
Narmada
0.00
0.00
0.00
114.47
Bargi Diversion Ph -I I I
Maj.

2007-08
Narmada
15.08
0.00
0.00
71.07
Bargi Diversion Ph-IV
Maj.
2008-09
Narmada
11.90
0.00
3.46
22.73
67
Pench Div-I
Maj.
2007-08
Godavari / Pench
0.00
0.00
0.00
16.38
68
Upper Beda
Maj.
2008-09
DPA-32.12%/ TA-67.88%
Narmada / Beda
0.00
0.00
0.00
88.35
69
Punasa lift
Maj.
2008-09
DPA
Narmada
0.00
0.00
0.00
382.02
70
Lower Goi
Maj.
2008-09
DPA-35.48%/ TA-65.42%
Goi
17.10
0.00
0.00
232.21
71
Jobat
Med
2010-11
DPA/ TA
Hatani / Narmada
0.71
0.00
0.00
17.37
72
Sagar(Sagad)
Med.
2011-12
Sagar / Betwa /
2.85
0.00
0.00

26.60
Yamuna
73
Singhpur
Med.
2011-12
urimil / Ken / Yamuna
14.79
0.00
0.00
30.54
74
Sanjay Sagar (Bah)
Med.
2011-12
Bah / Betwa /Yamuna
3.02
0.00
0.00
26.44
75
Mahuar
Med.
2013-14
Mahuar
8.10
0.00
8.56
16.66
TOTAL
314.40
96.01
188.21
5081.39
MAHARASHTRA
76
Gosikhurd [NP]
Maj.
1996-97
DPA
Godavari / Wainganga
0.00
0.00
0.00
3530.01
77
Waghur
Maj.
1996-97
DPA- 91.86%
Tapi / Waghur
37.34
1.70
94.30
573.33
78
Upper Manar
Med.
2002-03
Godavari / Manar
0.00
0.00
0.00
96.39
79
Upper Pen Ganga
Maj.
2004-05
DPA- 29.573 %
Godavari
26.94

1.59
27.53
328.12
Bawanthadi [IS]
Maj.
2004-05
Godavari / Wainganga
0.00
0.00
11.86
161.36
80
Lower Dudhna
Maj.
2005-06
Godavari
21.60
1.76
38.20
261.30
Tillari
Maj.
2005-06
West Flowing
0.00
0.00
16.35
105.69
81
Warna
Maj.
2005-06
Krishna
0.00
0.00
0.00
69.40
82
Punad
Maj.
2006-07
DPA-38.46%/ TA-61.54%
Punad / Tapi
0.00
0.00
0.00
137.67
83
Lower Wardha
Maj.
2006-07
Godavari / Wardha
16.88
0.00
80.50
252.07
84
Khadakpurna
Maj.
2006-07
DPA- 90.52%
Khadakpurna / Godavari
0.00
0.00
0.00
574.93
85
Dongargaon
Med.
2005-06
DPA

Godavari
0.00
0.00
0.00
16.90
86
Gul
Med.
2005-06
Tapi
0.00
0.00
0.00
24.89
87
Bembla
Maj.
2007-08
DPA- 84.64%
Bembla / Godavari
79.45
2.24
19.50
721.06
88
Uttermand
Med.
2007-08
Uttermand / Krishna
0.00
0.00
0.00
7.97
89
Sangola Branch Canal
Maj.
2007-08
DPA
Yelwaldi / Nira
0.00
0.00
0.00
139.06
90
Tarali
Maj.
2007-08
DPA - 62%
Tarali / Krishna
18.67
1.09
10.04
253.43
91
Dhom Balakwadi
Maj.
2007-08
DPA- 30%
Krishna
24.12
1.52
9.52
152.98
92
Morna (Gureghar)
Med.
2007-08
Morna / Koyna
0.00
0.00
0.00

9.82
93
Arjuna
Med.
2007-08
Arjuna / Kodavali
0.00
0.00
0.00
79.50
94
Lower Pedhi
Maj.
2008-09
DPA
Tapi/Purna/Pedhi
0.00
0.00
0.00
219.42
95
Upper Kundalika
Med
2008-09
DPA
Godavari/Kundalika
0.00
0.00
0.00
101.12
96
Wang Project
Med
2008-09
Krishna/Wang
0.00
0.00
0.00
14.53
97
Lower Panzara
Med
2009-10
DPA
Tapi / Panzara
0.00
0.00
0.00
114.87
98
Aruna
Med
2009-10
Aruna
0.00
22.50
0.00
70.54
99
Krishna Koyana Lift
Maj.
2009-10
DPA-93.51%
Krishna
54.53
0.00
0.00
479.47
100
Naradave (Mahammadwadi)
Med

2009-10
Gad
0.00
0.00
0.00
37.68
101
Gadnadi
Med
2009-10
Gad / Shastri
0.00
0.00
0.00
37.80
102
Kudali
Med
2009-10
Krishna / Kudali / Hatgeghar
0.00
0.00
0.00
12.22
Nandur Madhmeshwar
Ph-II
Maj.
2009-10
DPA
Godavari / Darna
0.00
0.00
0.00
175.28
TOTAL
279.53
32.40
307.80
8758.76
MANIPUR
103
Khuga
Maj.
1996-97
TA
North Eastern Rivers
0.00
0.00
0.00
193.98
104
Thoubal
Maj.
1997-98
TA
North Eastern Rivers
0.00
67.50
103.03
903.37
105
Dolaithabi Barrage
Med.
2002-03
TA
North Eastern Rivers
0.00
15.18
39.35
270.12
TOTAL

0.00
82.68
142.38
1367.48
ORISSA
106
Upper Indravati(KBK)
Maj.
1996-97
DPA
Indravathi / Indravathi
0.00
11.06
8.92
538.10
107
Subernarekha
Maj.
1996-97
DPA
Subernarekha / Subernarekha
0.00
0.00
125.12
1435.17
108
Rengali
Maj.
1996-97
Brahmani / Brahmani
0.00
0.00
0.00
261.56
109
Anandpur Barr./ Integrated Anandpur Barr.
Maj / ERM
1996-97
Salandi / Baitarani
0.00
0.00
0.00
97.92
110
Lower Indra(KBK)
Maj.
1999-2000
DPA/ TA
Indra / Mahanadi
0.00
0.00
39.76
987.10
111
Lower Suktel(KBK)
Maj.
1999-2000
DPA
Suktel / Mahanadi
0.00
0.00
0.00
232.39
112
Telengiri(KBK)
Maj.
2003-04
DPA
Telengiri / Indravathi
0.00
0.00

0.00
145.33
113
RET Irrigation(KBK)
Med.
2003-04
DPA/ TA
Ret / Mahanadi
0.00
0.00
0.00
94.32
114
Kanupur
Maj.
2003-04
DPA/ TA
Baitarni / Baitarni
0.00
0.00
0.00
612.75
115
Chheligada Dam
Med.
2003-04
Sadajhar / Vamsdhara
0.00
0.00
0.00
13.13
116
Rukura-Tribal
Med
2009-10
DPA/ TA
Bolani / Brahmani
0.00
8.92
0.00
63.66
TOTAL
0.00
19.98
173.80
4481.43
PUNJAB
117
Shahpur Kandi dam (N.P)
Maj.
2001-02
Indus
0.00
0.00
0.00
55.89
118
Kandi Canal Extension (Ph.II)
Maj / ERM
2002-03
Indus
0.00
0.00
1.05
93.48
119
Rehabilitation of Ist Patiala Feeder and Kotla Branch Project
Maj / ERM
2007-08
Indus
0.00

0.00
0.00
29.61
120
Relining of Rajasthan Feeder Cannal
Maj / ERM
2010-11
DPA
Indus
0.00
0.00
0.00
105.84
Relining of Sirhind Feeder Canal
Maj / ERM
2010-11
DPA
Indus
0.00
0.00
0.00
0.00
TOTAL
0.00
0.00
1.05
284.81
RAJASTHAN
121
IGNP Stage-II
Maj.
1997-98
DPA
Indus
0.00
0.00
0.00
582.23
122
Narmada Canal
Maj.
1998-99
DPA
Narmada
0.00
9.49
45.51
1084.05
123
Mod. of Gang Canal
Maj / ERM
2000-01
Indus
0.00
0.00
0.00
217.74
TOTAL
0.00
9.49
45.51
1884.02
TELANGANA
124
FFC of SRSP
Maj / ERM
2005-06
DPA/ TA
Godavari
0.00
0.00

0.00
382.40
125
SRSP St.II
Maj / ERM
2005-06
DPA/ TA-13.5%
Godavari
0.00
0.00
0.00
139.47
126
Ralivagu
Med.
2006-07
DPA/ TA
Godavari
0.00
0.00
0.00
6.71
127
Gollavagu
Med.
2006-07
DPA/ TA
Godavari
0.00
0.00
0.00
60.47
128
Mathadivagu
Med.
2006-07
DPA/ TA
Godavari
0.00
0.00
0.00
37.02
129
Peddavagu
Med.
2006-07
DPA/ TA
Godavari
0.00
0.00
0.00
106.03
130
J. Chokka Rao LIS
Maj.
2006-07
DPA/ TA
Godavari
0.00
65.33
112.50
1317.09
131
Neelwai
Med.
2006-07
DPA/ TA
Godavari
0.00
0.00
0.00

18.40
132
Sri Komaram Bheem
Med.
2006-07
DPA
Godavari
0.00
0.00
0.00
145.54
133
Palemvagu
Med.
2005-06
DPA/ TA
Godavari
0.00
0.00
0.00
9.54
134
Rajiv Bhima LIS
Maj.
2007-08
DPA
Krishna / Krishna
0.00
0.00
0.00
1165.67
TOTAL
0.00
65.33
112.50
3388.33
TRIPURA
135
Manu
Med.
1996-97
TA
Meghna
0.00
0.00
0.00
52.10
136
Gumti
Med.
1996-97
TA
Meghna
0.00
0.00
0.00
40.65
137
Khowai
Med.
1996-97
TA
Meghna
0.00
0.00
0.00
33.54
TOTAL
0.00
0.00
0.00

126.29
UTTAR PRADESH
138
Saryu Nahar NP
Maj.
1996-97
Ganga / Saryu
380.75
210.86
500.00
1988.20
139
Bansagar Canal
Maj.
1997-98
DPA-16.78%
Ganga / Sone
0.00
47.92
55.04
867.57
140
Mod. of Lachhura Dam
Maj / ERM
2005-06
DPA- 12.90%
Dhasin
0.00
0.00
0.00
66.90
141
Improving Irr. Intensity of Hardoi Branch System
Maj / ERM
2006-07
Sarda
0.00
0.00
0.00
24.79
142
Madhya Ganga Canal Ph-II
Maj.
2008-09
Ganga
0.00
15.37
0.00
191.95
143
Kachnoda Dam
Maj.
2009-10
Dhasan, Betwa / Sajnum
0.00
0.00
0.00
64.68
144
Arjun Shyak
Maj.
2009-10
DPA
Dhasan
214.98
33.85
0.00
556.72
145
Restoring Cap of Sarda Sahayak [NP]
Maj / ERM

2009-10
TA
Ganga
0.00
0.00
0.00
39.38
TOTAL
595.73
307.99
555.04
3800.19
WEST BENGAL
146
Teesta Barrage [N.P]
Maj.
1996-97
TA
Brahmaputra / Teesta
0.00
0.00
0.00
331.12
147
Tatko
Med.
2000-01
DPA/ TA
Ganga / Kangsabati
0.00
0.00
0.00
5.98
148
Patloi
Med.
2000-01
DPA/ TA
Ganga / Kangsabati
0.00
0.00
0.00
5.12
149
Subernrekha Barrage ++
Maj.
2001-02
TA
Subernarekha
0.00
0.00
0.00
13.29
TOTAL
0.00
0.00
0.00
355.50
Grand Total
2048.74
1902.07
2327.80
48129.00
Annexure-II
Annexure referred to in reply to part (a) of Starred Question No. *412 due for answer in Lok Sabha on 15.12.2016 regarding River Water/Basin Management.
CENTRAL ASSISTANCE RELEASED UNDER PMKSY during 2016-17
Sl. No.
Name of State/Project (Started in Plan)
Rs. In Crore
2016-17 (GRANT)

2016-17 (NABARD)
Total 2016-17
GUJARAT
1
Sardar Sarovar
166.66
314.279
480.939
KARNATAKA
2
Bhima Lift Irrigation Scheme
22.444
22.444
3
Upper Tunga Irrigation Projec
78.587
78.587
MADHYA PRADESH
4
Sindh Phase-II
29.067
6.4497
35.5167
5
Mahi
3.62
3.62
6
Bariarpur
6.615
6.615
7
Mahan
2.379
2.379
8
Bargi Dam PH-I
5.656
5.656
9
Bargi Div.PH-II
11.648
11.648
10
Bargi Diversion Ph.III
33.85
33.85
11
Bargi Diversion Ph.IV
11.279
11.279
12
Omkareshwar Project Ph.II
10.995
10.995
13
Omkareshwar Canal Ph.III
14.058
14.058
14
Omkareshwar Canal Ph.IV
40.178
40.178
15
Indira Sagar Canal Ph.III
13.29
13.29
16
Indira Sagar Canal Ph.IV
29.219
29.219

17
Indira Sagar Canal Ph.V
9.512
9.512
18
Indira Sagar Unit-II (Ph.I & II)
4.275
4.275
19
Singhpur Irrigation project
1.944
1.944
20
Sagar(Sagad) Irrigation project
2.506
2.506
21
Sanjay Sagar (Bah) MI project
2.995
2.995
MAHARASHTRA
22
Waghur
81.704
81.704
23
Upper Pen Ganga
11.03
11.03
24
Bawanthadi
16.837
16.837
25
Lower Dudhana
39.622
39.622
26
Nandur Madhmeshwar Phase-II
8.02
8.02
27
Lower Wardha (PMP)
102.47
102.47
28
Bembla Irrigation Project
22.73
22.73
29
Tarali Project
24.382
24.382
30
Dhom balakwadi Project
5.205
5.205
31
Morna Gureghar Project
0.325
0.325
32
Lower Panzara Project
2.709
2.709
33
Nardave Project
1.269
1.269
34
Krishna-Koyna Lift Irrigation

23.09
23.09
MANIPUR
35
Thoubal
79.893
79.893
36
Dolaithabi Barrage Project
9.36
9.36
ORISSA
0
37
Integrated Anandpur Barrage
16.389
16.389
38
Lower Indra
24.73
24.73
PUNJAB
39
Kandi Canal Extension St.II
41.184
41.184
40
Rehabilitation of 1st Patiala Feeder and Kotla Branch
5.99
5.99
RAJASTHAN
41
Mod.of Gang Canal
5.1
5.1
TELANGANA
42
Sriramsagar Project - II
10.398
10.398
43
J.Chokkarao LIS
300.006
300.006
44
Nilwai
0.674
0.674
Total
821.893
832.7297
1654.6227
Annexure-III
Annexure referred to in reply to part (a) of Starred Question No. *412 due for answer in Lok Sabha on 15.12.2016 regarding River Water/Basin Management.
State-Wise Works Approved, Works Completed and Funds Released under Flood Management Programme (FMP) during XI and XII Plan (up to 22.11.2016)
Rs. in crore
Sl. No.
State
XI Plan
XII Plan
Total (XI + XII Plan) Status
Works Approved
Funds Released (XI Plan)
Works Approved
Funds Released (XII Plan)
Works Approved
Number of Works Completed
Total Funds Released (XI + XII Plan)
Nos.

Estimated Cost
Nos.
Estimated Cost
Nos.
Estimated Cost
1
Arunachal Pradesh
21
224.69
81.69
0
0.00
87.91
21
224.69
11
169.60
2
Assam
100
996.14
748.86
41
1386.97
64.89
141
2383.11
94
813.75
3
Bihar
43
1370.42
723.18
4
447.63
184.64
47
1818.05
41
907.82
4
Chhattisgarh
3
31.13
15.57
0
0.00
3.75
3
31.13
0
19.32
5
Goa
2
22.73
9.98
0
0.00
2.00
2
22.73
2
11.98
6
Gujarat
2
19.79
2.00
0

0.00
0.00
2
19.79
1
2.00
7
Haryana
1
173.75
46.91
0
0.00
0.00
1
173.75
0
46.91
8
Himachal Pradesh
3
225.32
165.98
4
1139.62
221.87
7
1364.94
1
387.85
9
Jammu & Kashmir
28
408.22
252.57
15
562.47
169.95
43
970.69
8
422.52
10
Jharkhand
3
39.30
18.44
0
0.00
4.27
3
39.30
2
22.71
11
Karnataka
3
59.46
23.80
0
0.00
0.00
3
59.46
0
23.80
12
Kerala
4
279.74
63.68

0
0.00
55.22
4
279.74
0
118.90
13
Manipur
22
109.34
66.34
0
0.00
24.36
22
109.34
19
90.70
14
Meghalaya
0
0.00
3.81
0
0.00
0.00
0
0.00
0
3.81
15
Mizoram
2
9.13
14.48
0
0.00
1.93
2
9.13
0
16.41
16
Nagaland
11
49.35
28.96
6
74.52
54.17
17
123.87
9
83.12
17
Orissa
67
169.00
101.12
1
62.32
0.00
68
231.32
60
101.12
18
Puducherry
1
139.67

7.50
0
0.00
0.00
1
139.67
0
7.50
19
Punjab
5
153.40
40.43
0
0.00
0.00
5
153.40
0
40.43
20
Sikkim
28
104.92
83.69
17
261.40
8.15
45
366.32
21
91.84
21
Tamilnadu
5
635.54
59.82
0
0.00
0.00
5
635.54
0
59.82
22
Tripura
11
26.57
23.62
0
0.00
0.00
11
26.57
8
23.62
23
Uttar Pradesh
26
667.57
290.69
3
291.70
111.22
29
959.27
6
401.91
24
Uttrankhand
12

119.82
49.63
10
715.72
153.98
22
835.54
8
203.61
25
West Bengal
17
1822.08
643.26
1
438.94
158.75
18
2261.02
6
802.01
Total
420
7857.08
3566.00
102
5381.28
1307.07
522
13238.36
297
4873.07

Annexure-IV
Annexure referred to in reply to part (a) of Starred Question No. *412 due for answer in Lok Sabha on 15.12.2016 regarding River Water/Basin Management.
Status of Approved Projects under National Ganga River Basin Authority as on 30th September 2016
Name of The States
Name of the Projects
Sanctioned Cost (Rs in Crores)
STP Capacity to be created (MLD)
Sewer Network to be laid(Km)
Scope
Uttarakhand
Sewage Treatment Plant (STP)-Badrinath
4.62
3
Interception and Diversion (I&D) -Badrinath
7.26
7.53
Sewage Treatment Plant (STP)-Karanprayag
3.49
1.40
Interception and Diversion (I&D) -Deoprayag
7.27
7.60
Interception and Diversion (I&D) -Karanprayag
5.32
3.50
Interception and Diversion (I&D)-Rudraprayag
7.92
6.69
Sewage Treatment Plant (STP)-Rudraprayag
4.7
3.00
Uttarakhand
Interception and Diversion (I&D) -Joshimath
9.61
27.66
Interception and Diversion (I&D)
10.18

35.63
Sewerage System and STP for Gangotri Dham-Gangotri
10.48
1.00
2.75
Sewerage scheme and STP at Muni ki Reti Dhalwala
95.6
7.50
29.52
Uttarakhand
Restoration and Reconstruction of Sewerage Scheme due to disaster in Devprayag
4.5
Restoration and Reconstruction of Sewerage Scheme due to disaster in Gangotri
0.45
Uttarakhand
Restoration and Reconstruction of Sewerage Scheme due to disaster in Uttarkashi
4.84
Sewage Treatment Plant (STP)-Jagjeetpur,Haridwar
71.4
40.00
Development of Ghat(Chandi Ghat, Haridwar)Under Namami Gange Programme
50.36
Uttar Pradesh
Sewerage & Non - Sewerage schemes for Pollution abatement of River Ganga at District-"B" & "E" of Allahabad
199.26
85
10.88
Swerage & Non - Sewerage schemes for Pollution abatement of River Ganga at District -"A" of Allahabad
106.08
20
9.24
Sewerage work in Sewerage District - E
142
109.2
Sewerage system & STP works at Garhmukteshwar
46.51
9
69
Sewerage system & STP works (Phase I) at Moradabad
279.91
58
264.25
Sewerage system & STP works (Phase II) at Kannauj
43.66
1
62.5
Development of area around at Assi Ghat
27.28
Uttar Pradesh
JICA assisted Ganga Action Plan Phase-II Project at Varanasi
496.9
140
28
14 mld STP at Salori, Allahabad
42.44
14
Sewerage System in Sewerage District-C & Allahpur, Allahabad
146.87
134.19
Sewerage scheme and STP at Bithoor Kanpurnagar, (UP)
59.68
2.4
32
Sewerage Works in Sewerage District-A of Allahabad
288.94
241.63
Sewerage scheme at Narora, Bulandshar
34.87
4
21.03
Sewerage Works in Anup Shahar, Buland Shahar

75.79
2.5
58.88
Sewerage network in sewerage district B of Allahabad
265.86
214.88
Sewer Network in District E of Allahabad -Part 2
52.78
Under New Initiatives of Namami Gange
Uttar Pradesh
Rehabilitation / Development Works of Ghats and Crematoria at Brijghat - Garhmukteshwar
15.87
3 Ghats + 1 Creamtoria
Rehabilitation / Development Works of Ghats and Crematoria in the stretch from Bakhtawarpur to Anupshahr
41.62
4 Ghats + 4 Creamtoria
Rehabilitation / Development Works of Ghats and Crematoria in the stretch from Balwali to Bakhtawarpur
74.08
5 Ghats + 7 Creamtoria
Rehabilitation / Development Works of Ghats in the stretch from Anupshahr to Kacchla
52.89
11 Ghats
Rehabilitation / Development Works of Ghats and Crematoria at Bijnore along river Ramganga
11.84
2 Ghats + 4 Creamtoria
Uttar Pradesh
Rehabilitation / Development Works of Ghats and Crematoria at Kanpur
47.39
11 Ghats + 2 Creamtoria
Rehabilitation / Development Works of Ghats and Crematoria at Allahabad
88.03
10 Ghats + 6 Creamtoria
Rehabilitation / Development Works of Ghats and Crematoriums in the stretch from Anupshahr to Kacchla
51.93
13Creamtoria
Rehabilitation / Development Works of Ghats and Crematoriums at Anupshahr
14.11
1 Ghats + 1 Creamtoria
Bihar
Begusarai Sewerage and STP project
65.4
17
105
Buxar Sewerage and STP project
74.95
16
95.21
Bihar
Hajipur Sewerage and STP Project
113.62
22
198
Ganga River Front Development at Patna (EAP - World Bank)
243.27
Sewage Treatment Plant at Pahari - Patna, Bihar
127.3
60
Sewerage scheme at Pahari (Zone IVA (S)), Patna, Bihar (EAP - World Bank)
133.64
87.69
Bihar
Sewerage scheme at Pahari Zone V, Patna, Bihar
214.31
110.65
Sewage Treatment Plant - Beur for Patna
68.16
43
Sewage Treatment Plant - Karmalichak for Patna, Bihar (EAP - World Bank)
77.04
37
Sewerage system with Sewer network-Patna (Beur) (EAP - World Bank)

225.77
179.74
Sewerage system with Sewer network -Patna (Karmalichak) (EAP - World Bank)
170.71
96.54
Bihar
Saidpur STP and adjoining Network for Patna, Bihar
184.93
60
Saidpur Sewer Network, Patna, Bihar
268.63
172.5
Ghat development and Crematoria at Buxar
32.84
6 Ghat + 1 Crematoria
Ghat development and Crematoria at Sonepur
32.35
7 Ghat + 1 Crematoria
Ghat development and Crematoria at Hajipur
23.61
7 Ghat + 1 Crematoria
Ghat development and Crematoria at Munger
33.7
3 Ghat + 1 Crematoria
Ghat development and Crematoria at Jamalpur
11.57
2 Ghat + 1 Crematoria
Bihar
Afforestration programme in Bihar-under the Namami Gange Programme (Bihar Forest Deparatment)
6.03
Planatation of indigenous tree species for a period of 1 year
Jharkhand
Sewerage scheme and STP at Sahibganj
99.36
12
55
Ghat Development and Crematoria between Sahibganj to Rajmahal at Sahibganj
42.27
10 Ghat + 2 Crematoria
Ghat development and Crematoria at Sahibganj
10.2
2 Ghat + 1 Promendade + 1 Crematoria
Ghat development and Crematoria at Rajmahal
9.55
2 Ghat + 1 Crematoria
Jharkhand
Ghat development and Crematoria at Kanhaiyasthan
8.74
1 Ghat
Rural Sanitation initiatives for Ganga Rejuvenation in Jharkhand- UNDP
127.83
Rural Sanitation in Jharkhand
Afforestration programme in Jharkhand-under the Namami Gange Programme (Jharkhand Forest Deparatment)
7.99
Planatation of indigenous tree species for a period of 1 year
West Bengal
Gayeshpur
168.67
8.23
61
Kalyani
57.87
5
51
Bhatpara
228.52
31
125
West Bengal
Sewerage scheme & STP Halishar
274.76

16
226.99
Sewerage System and STP at Budge-Budge
145.98
9.3
131.59
Sewerage system with Sewer network and STP
272.32
24
247.14
Upgradation/ Modification of Ghats in Garulia Town
11.63
11 Ghats
Upgradation/ Modification of Ghats in Garulia Town
3.14
2 Creamatoria
Upgradation/ Modification of Ghats in Bhatpara Town
3.73
2 Creamatoria
West Bengal
Upgradation/ Modification of Ghats in Naihati Town
2.53
2 Creamatoria
Afforestration programme in West Bengal-under the Namami Gange Programme (West Bengal Forest Deparatment)
11.16
Planatation of indigenous tree species for a period of 1 year
Annexure-V
Annexure referred to in reply to parts (b) & (c) of Starred Question No. *412 due for answer in Lok Sabha on 15.12.2016 regarding River Water/Basin Management.
STATE-WISE POLLUTED RIVER STRETCHES
â€¢ The State-wise details of polluted rivers and category of priority classes are appended.
Andhra Pradesh - Godavari, Hundari, Krishna, Tungabhadra, Pennar and Kundu falling in priority class − V based on the level of BOD.
Assam - Mora Bharali, Barak, Beki, Bharalu, Bhogdoi, Boginadi, Brahmputra, Burhidihing, Deepar Bill, Dhansiri, Digboi, Disang, JiaBharali, Jhanji, Kalong, Kapili, Kharsang, Kohora, Kundli, Kushiara, Manas, Pagadia, Panchnai, Ranganadi, Sankosh, Sonai, Subansiri, Kathakal. These rivers are classified in three priority classes (Class I, IV and V).
Bihar - Ganga, Harbora, Manusmar, Ramrekha and Sirsia. The polluted rivers in Bihar are in 4 priority classes (Class-II, III, IV and V).
Chhattisgarh - Hasdeo, Kelo, Kharoon, Mahanadi and Seonath in priority class V.
Daman and Diu -Damanganga in Priority class − I
Delhi - Yamuna in Priority class − I
Goa - Mandovi, Assonora, Bicholim, Chapora, Khandepar, Mapusa, Sal and Valvant. These rivers are classified in Priority Class − III, IV and V based on the level of BOD.
Gujarat - Mahi, Narmada, Ambika, Amlakhadi, Anas, Baleshwar Khadi, Bhadar, Damanganga, Kaveri, Khari, Kim, Kolak, Mahi, Mindhola, Narmada, Panam, Bhogavo, Dhadar, Purna, Sabarmati, Shedi, Tapi and Triveni These rivers are classified in four priority classes (Class I, III, IV and V).
Haryana - Ghaggar and Yamuna. The polluted rivers in Haryana are in 2 priority classes (Class-II and IV).
Himachal Pradesh - Beas, Tons, Sirsa, Swan, Sukhana, Suketikhad, Markanda and Binwa falling in priority class I, IV and V based on the level of BOD.
Jammu and Kashmir - Banganga, Basanter, Chenab, ChuntKol, Dewak, Gawkadal, Jhelam, LiddarNalah and Tawi. These rivers are classified in two priority classes (Class IV and V).
Jharkhand - Bokaro, Damodar, Jumar, Karo, Koel, North Koel, Sankh and Subarnrekha. The polluted rivers in Jharkhand are in 2 priority classes (Class- IV and V).
Karnataka - Arkavathi, Bhadra, Bhima, Cauvery, Ghatprabha, Kabini, Kagina, Kali, Krishna, Lakshmantirtha, Malprabha, Manjira, Shimsha, Tungabhadra and Tunga. These rivers are classified in priority class IV and V based on the level of BOD.
Kerala - Chitrapuzha, Kadambayar, Kallai, Karamana, Keecheri, Kuppam, Manimala, Neeleswaram, Periyar, Pullur, Puzhckal, Thirur and Uppala. These rivers are classified in three priority classes (Class − I, IV and V).
Madhya Pradesh - Banjar, Betwa, Bichia, Chambal, Chillar, Denwa, Gohad, Gour, Jammer, Kalisot, Khan, Kolar, Kshipra, Kunda, Malei, Narmada, Parvati, Shivna, Tapi, Tons and Wainganga. The polluted rivers in Madhya Pradesh are in 5 priority classes (Class-I, II, III, IV and V).
Maharashtra - Wena, Wainganga, Godavari, Bhima, Krishna, Ulhas, Kundalika, Tapi, Girna, Panchganga, Nira, Bhatsa, Rangavali, Chandrabhaga, Vashishti, Mithi, Kanhan, Koyna, Amba, Amravati, Bindusara, Darna, Ghod, Gomai, Hiwara, Indrayani, Kan, Manjra, Mor, Morna, Mula, Mula- Mutha, Mutha, Panzara, Patalganga, Pawna, Pedhi, Pehlar, Penganga, Purna, Savitri, Sina, Surya, Urmodi, Vel, Vaitrana, Venna, Waghur and Wardha. These rivers are classified in priority class I, II, III, IV and V based on the level of BOD.
Manipur - Barak, imphal, Iril, Khuga, Khujairok, Lokchao, Maha, Manipur, Nambul, Sekmai, Thoubal and Wangjing. These rivers are classified in priority class II, III, IV and V based on the level of BOD.
Meghalaya- Bugi, Kynshi, Kyrhukhla, Lukha, Myndtu, Nonbah, Umkhrah, Umshyrpi, Umtrew and Wahbei. These rivers are classified in four priority classes (Class − I, III, IV and V).
Nagaland - Chathe, Dhansiri and Dzu. These rivers are classified in priority class II and IV based on the level of BOD.
Odisha - Brahmani, Budhalbhanga, Daya, Kathjodi, Koel, Kuakhai, Mahanadi, Nagavali, Rushikulya, Serua and Vanasdhara. The polluted rivers in Odisha are in 4 priority classes (Class- II, III, IV and V).
Punjab - Ghaggar and Satluj in two priority classes (Class − I and II).
Rajasthan - Banas, Chambal, Chappi, Ghaggar, kali sindh, Parvati, Jawai and Ujad. These rivers are classified in priority class I, II, III

and V based on the level of BOD.
Sikkim - Dikchu, ManeyKhola, Rangit, Ranichu, Teesta. The polluted rivers in Sikkim are in priority class V.
Tamil Nadu - Bhawani, Tambirapani, Palar, Sarabanga, Thirumanimuthar and Vasista. The polluted rivers in Tamil Nadu are in 3 priority classes (Class- I, II and V).
Telangana - Godavari, Krishna, Manjeera, Musi, Nakkavagu, Sabari and Maner. These rivers are classified in three priority classes (Class − I, II and V).
Tripura - Gumti and Haora in priority Class − V.
Uttar Pradesh - Gomti, Hindon, Kalinadi, Ramganga, Rapti, Rihand, Sai, Saryu, Ganga, Yamuna and Kosi. These rivers are classified in four priority classes (Class − I, III, IV and V).
Uttarakhand - Suswa, Ganga, Dhela, Bhella and Kosi. The polluted rivers in Uttarakhand are in 2 priority classes (Class- I and V).
West Bengal - Barakar, Churni, Damodar, Dwarkeshwar, Dwarka, Ganga, Jalangi, Kalijani, Kansi, Karola, Mahananda, Mathabhanga, Mayurkashi, Rupnarayan, Silababti, Teesta and Vindhyadhari. These rivers are classified in priority class III, IV and V based on the level of BOD.
â€¢ Estimated polluted riverine length of all the priority classes putting together is 12,363 Km.
Annexure-VI
Annexure referred to in reply to part (d) of Starred Question No. *412 due for answer in Lok Sabha on 15.12.2016 regarding River Water/Basin Management.
The Central Pollution Control Board is implementing the provisions of Water Act, 1974 to restore water quality. The following steps are taken to prevent and control pollution.
â€¢ SPCBs have been directed under Section 18(1) b of the Water (Prevention & Control of Pollution) Act, 1974 to direct concerned agencies in the state/UT to develop infrastructure for sewage treatment.
â€¢ CPCB issued directions under Section 5 of EPA Act, 1986 regarding Treatment and Utilization of Sewage for Restoration of Water Quality of River to Metropolitan Cities & States/UT Capitals.
â€¢ With respect to industrial effluents, consent management for compliance of standards is being enforced by SPCBs/PCCs to improve the water quality of the rivers.
â€¢ With respect to industrial units in the country CPCB has given directions under Section 5 of E (P) Act, 1986 for setting up of online Continuous water quality monitoring system to check the effluent quality being discharged. Subsequently non complying units in failure of installation of online monitoring system have been identified for action.
â€¢ Common effluent treatment plants for cluster of Small Scale Industrial units have been established. Directions under Section 5 of the E (P) Act, 1986 is also given to all CETPs to install continuous effluent monitoring system to comply with the stipulated standards.